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**From:** Mavi, Mayek [mavi.mayek@epa.gov]  
**Sent:** 6/17/2020 3:42:42 PM  
**To:** Konfirst, Matthew [konfirst.matthew@epa.gov]  
**CC:** Rogers, Rick [rogers.rick@epa.gov]; Reinhart, Roger [Reinhart.Roger@epa.gov]; Crumlish, Karen [Crumlish.Karen@epa.gov]  
**Subject:** RE: Draft R3&R5 RARE Sampling Plan  
**Attachments:** C8GPO Report.docx

Hi Matt,

In my work, I identified the county of Washington in Ohio as the most affected area, followed by the county of Wood in West Virginia. That was the extend of the data analysis I did. Attached above is the report on the work. Thanks.

Mike

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**From:** Konfirst, Matthew <konfirst.matthew@epa.gov>  
**Sent:** Wednesday, June 17, 2020 6:53 AM  
**To:** Mavi, Mayek <mavi.mayek@epa.gov>  
**Cc:** Rogers, Rick <rogers.rick@epa.gov>; Reinhart, Roger <Reinhart.Roger@epa.gov>  
**Subject:** FW: Draft R3&R5 RARE Sampling Plan

Hi Mayek,

See below for an email from Andy Lindstrom about sampling sites in West Virginia. I know at one point you were working on data analysis around Washington Works. Did you ever identify sites of interest for sampling? I don't remember identifying sites during my visit to RTP in February; we discussed their sampling plan ideas, and I gave a presentation on my work analyzing the sites in southeastern Pennsylvania. Maybe Matt and Mike are similar enough that he thinks it was me doing analysis of both sites?

Cheers,  
Matt

Matt Konfirst, Ph.D.  
Physical Scientist  
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State Assistance & Partnerships Branch  
Water Division  
US EPA, Region 3  
Phone: (215) 814-5801

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**From:** Lindstrom, Andrew <[Lindstrom.Andrew@epa.gov](mailto:Lindstrom.Andrew@epa.gov)>  
**Sent:** Monday, June 01, 2020 8:41 AM  
**To:** Konfirst, Matthew <[konfirst.matthew@epa.gov](mailto:konfirst.matthew@epa.gov)>  
**Cc:** Lanier, Sarah <[Lanier.Sarah@epa.gov](mailto:Lanier.Sarah@epa.gov)>; Pilant, Drew <[Pilant.Drew@epa.gov](mailto:Pilant.Drew@epa.gov)>  
**Subject:** RE: Draft R3&R5 RARE Sampling Plan

Matthew,

Thank you very much for your review and great suggestions.

Would you please send us a list of the sites where you think we should expand the sampling to include the areas that we discussed when you visited RTP?

If you could specify the exact coordinates and a brief discussion of what each site would represent we could add them to the list of prospective sites to consider. It would be very good to have more locations that we know are impacted by AFFF applications. The sites we identified in and near Vienna, WV appear to have been impacted by AFFF due to the presence of PFOS and PFHxS, but I don't think we have any way to verify that this is the case. The sites that you identified in your research are more verified and should help us build a link to the relationships between PFOA/GenX and AFFF contamination.

I look forward to hearing from you soon.

Thank you very much,

Andy

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**From:** Konfirst, Matthew <[konfirst.matthew@epa.gov](mailto:konfirst.matthew@epa.gov)>  
**Sent:** Friday, May 29, 2020 9:54 AM  
**To:** Lindstrom, Andrew <[Lindstrom.Andrew@epa.gov](mailto:Lindstrom.Andrew@epa.gov)>; Wilson, Jennifer <[wilson.jenniferA@epa.gov](mailto:wilson.jenniferA@epa.gov)>; Braverman, Carole <[braverman.carole@epa.gov](mailto:braverman.carole@epa.gov)>; Poeske, Regina <[Poeske.Regina@epa.gov](mailto:Poeske.Regina@epa.gov)>; Reinhart, Roger <[Reinhart.Roger@epa.gov](mailto:Reinhart.Roger@epa.gov)>; Rowsey, Kevin <[rowsey.kevin@epa.gov](mailto:rowsey.kevin@epa.gov)>  
**Cc:** Lanier, Sarah <[Lanier.Sarah@epa.gov](mailto:Lanier.Sarah@epa.gov)>; Pilant, Drew <[Pilant.Drew@epa.gov](mailto:Pilant.Drew@epa.gov)>; Tadesse, Haile <[tadesse.haile@epa.gov](mailto:tadesse.haile@epa.gov)>; Washington, John <[Washington.John@epa.gov](mailto:Washington.John@epa.gov)>; Evich, Marina <[evich.marina@epa.gov](mailto:evich.marina@epa.gov)>; Stanek, Lindsay <[Stanek.Lindsay@epa.gov](mailto:Stanek.Lindsay@epa.gov)>; T.C. Guillette <[guillettetc@gmail.com](mailto:guillettetc@gmail.com)>  
**Subject:** RE: Draft R3&R5 RARE Sampling Plan

Hi Andy,

I think this sampling plan looks good. We had also discussed the possibility of budgeting a certain amount of sampling for sites that are of interest to West Virginia and Ohio. Is that still being considered? If so, should it be reflected in this plan?

Also, one point of minutiae, I would consider using a different color marker for sites on the UCMR map on page 17, just so the sites pop out from the map more.

Cheers,

Matt

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**From:** Lindstrom, Andrew <[Lindstrom.Andrew@epa.gov](mailto:Lindstrom.Andrew@epa.gov)>

**Sent:** Friday, May 15, 2020 10:05 AM

**To:** Wilson, Jennifer <[wilson.jenniferA@epa.gov](mailto:wilson.jenniferA@epa.gov)>; Braverman, Carole <[braverman.carole@epa.gov](mailto:braverman.carole@epa.gov)>; Poeske, Regina <[Poeske.Regina@epa.gov](mailto:Poeske.Regina@epa.gov)>; Reinhart, Roger <[Reinhart.Roger@epa.gov](mailto:Reinhart.Roger@epa.gov)>; Konfirst, Matthew <[konfirst.matthew@epa.gov](mailto:konfirst.matthew@epa.gov)>; Rowsey, Kevin <[rowsey.kevin@epa.gov](mailto:rowsey.kevin@epa.gov)>

**Cc:** Lanier, Sarah <[Lanier.Sarah@epa.gov](mailto:Lanier.Sarah@epa.gov)>; Pilant, Drew <[Pilant.Drew@epa.gov](mailto:Pilant.Drew@epa.gov)>; Tadesse, Haile <[tadesse.haile@epa.gov](mailto:tadesse.haile@epa.gov)>; Washington, John <[Washington.John@epa.gov](mailto:Washington.John@epa.gov)>; Evich, Marina <[evich.marina@epa.gov](mailto:evich.marina@epa.gov)>; Stanek, Lindsay <[Stanek.Lindsay@epa.gov](mailto:Stanek.Lindsay@epa.gov)>; T.C. Guillette <[guillettetc@gmail.com](mailto:guillettetc@gmail.com)>

**Subject:** Draft R3&R5 RARE Sampling Plan

All,

After a great deal of creative work by Sarah Lanier and the GeoPFAS Team, we're able to share the draft RARE study plan attached above.

In summary, this document outlines six specific research objectives for this project while also precisely identifying 102 proposed sample sites to meet these goals. This draft plan also provides a link to the story map created by Sarah to provide as much detailed information as possible about each of the proposed sampling sites and the objectives we hope to meet:

<https://epa.maps.arcgis.com/apps/MapJournal/index.html?appid=4ea3b76f69d04e459f60f862be4c981a>

We'd greatly appreciate it if you would please use these two resources together to evaluate this proposal and provide comments to us by June 1. Sometime after that we can have a meeting to discuss the comments and make plans for how to proceed with the project.

Thank you all very much,

Andy